

**UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION**

ENTROPIC COMMUNICATIONS, LLC,

Plaintiff

v.

CHARTER COMMUNICATIONS, INC.,

Defendant.

Civil Action No. 2:22-cv-00125-JRG

JURY TRIAL DEMANDED

DEFENDANT'S NOTICE PURSUANT TO 35 U.S.C. § 282

Charter Communications, Inc. (“Charter”) hereby provides and/or confirms its written notice pursuant to 35 U.S.C. § 282(c) of the patents, publications, and persons that it may rely upon to demonstrate anticipation, obviousness, and/or to describe the state of the art with respect to U.S. Patent Nos. 8,223,775 (“the ’775 Patent”); 8,284,690 (“the ’690 Patent”); 8,792,008 (“the ’008 Patent”); 9,210,362 (“the ’362 Patent”); 9,825,826 (“the ’826 Patent”); and 10,135,682 (“the ’682 Patent”) (collectively, “the patents-in-suit”).

Charter has already provided notice of the identity of certain patents, publications, and persons within the ambit of § 282, through its pleadings, correspondence, and other documents in this case, including, but not limited to, its initial and supplemental invalidity contentions and materials cited therein, its expert witness reports and materials cited therein, its expert witness testimony, and its pretrial filings including, but not limited to, Charter’s Trial Witness List and the parties’ Joint Trial Exhibit List. Charter expressly incorporates by reference herein all of those documents, as well as the patents, publications, and identification of persons within the ambit of § 282(c) cited therein.

In addition to the foregoing, for the sake of clarity, Charter provides the following list of patents, publications, and persons. The identification of a patent, publication, or person below or in Charter's prior notices is not a representation that Charter will use all of these references and/or persons in its presentation of evidence at trial, which of course may change after Charter has considered Entropic's trial presentation. Nor should any implication arise from the list that all of the identified references and/or persons are necessary for, or important to, Charter's defenses and counterclaims. Charter reserves the right to rely on any reference and/or person identified in one of Charter's prior notices described above, including in the Trial Witness List and/or Joint Trial Exhibit List, as well as any other reference and/or person which was or is produced in response to the parties' discovery requests or to satisfy Charter's obligations under the Court's Patent Rules, whether or not included in the lists below. Charter reserves the right to amend and/or supplement this notice in the future pursuant to 35 U.S.C. § 282 and/or in view of any rulings from the Court.

I. PATENTS AND PUBLISHED PATENT APPLICATIONS¹

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent No. 4,450,534	US	May 22, 1984	Duane Solimeno
U.S. Patent No. 5,008,903	US	April 16, 1991	William L. Betts
U.S. Patent No. 5,535,240	US	July 9, 1996	Ronald R. Carney
U.S. Patent No. 5,808,671	US	September 15, 1998	John Charles Maycock
U.S. Patent No. 5,719,867	US	February 17, 1999	Ramin Borazjani
U.S. Patent No. 5,874,992	US	February 23, 1999	Louis Caporizzo
U.S. Patent No. 6,031,878	US	February 29, 2000	Martin Tomasz
U.S. Patent No. 6,118,499	US	September 12, 2000	George Fang

¹ Highlighted rows indicate prior art that Charter intends to rely on as a ground for invalidity (either anticipation or obviousness), with the remaining rows to show state of the art.

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent No. 6,332,210	US	December 18, 2001	Shan Barkataki
U.S. Patent No. 6,356,539	US	March 12, 2002	Michael Zuliani
EU Patent No. 0883934 B1	EU	August 28, 2002	Paul W. Dent
U.S. Patent No. 6,453,472	US	September 17, 2002	Chrisanto D. Leano
U.S. Patent No. 6,493,874	US	December 10, 2002	Richard Humpleman
U.S. Patent No. 6,496,546	US	December 17, 2002	Stephen Alan Allpress
EU Patent No. 0774181 B1	EU	May 20, 2003	Ronald R. Carney
U.S. Patent No. 6,587,479	US	July 1, 2003	Charles H. Bianchi
U.S. Patent No. 6,704,372	US	March 9, 2004	Weimin Zhang
U.S. Patent No. 6,757,253	US	June 29, 2004	Michael Jaimie Cooper
U.S. Patent No. 6,760,342	US	July 6, 2004	William M. Skones
U.S. Patent No. 6,782,884	US	August 31, 2004	Wei-Sing Chen
U.S. Patent No. 6,980,913	US	December 27, 2005	Alon D. Meir
U.S. Patent No. 7,010,265	US	March 7, 2006	Louis F. Coffin, III
U.S. Patent No. 7,013,342	US	March 14, 2006	Guy Riddle
U.S. Patent No. 7,058,007	US	June 6, 2006	Feisal Daruwalla
U.S. Patent No. 7,113,484	US	Sept. 26, 2006	John T. Chapman
U.S. Patent No. 7,116,958	US	October 3, 2006	David A. Brown
U.S. Patent No. 7,127,734	US	October 24, 2006	Mati Amit
U.S. Patent No. 7,145,972	US	December 5, 2006	Rajendra Kumar
U.S. Patent No. 7,227,933	US	June 5, 2007	Jeffrey P. Davis

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent No. 7,227,889	US	June 5, 2007	Guenter E. Roeck
U.S. Patent No. 7,246,368	US	July 17, 2007	Mark E. Millet
U.S. Patent No. 7,265,792	US	September 4, 2007	Pierre Favrat
U.S. Patent No. 7,290,046	US	October 30, 2007	Suresh W. G. Kumar
U.S. Patent No. 7,295,518	US	November 13, 2007	Anton Monk
U.S. Patent No. 7,317,896	US	January 8, 2008	Piyush Saxena
U.S. Patent No. 8,041,351	US	June 26, 2008	Thomas J. Quigley
U.S. Patent No. 7,403,486	US	July 22, 2008	Robert J. Flask
U.S. Patent No. 7,423,982	US	September 9, 2008	Peter G. Briggs
U.S. Patent No. 7,463,874	US	December 9, 2008	David Dukho Kang
U.S. Patent No. 7,489,641	US	February 10, 2009	Walter Miller
U.S. Patent No. 7,522,901	US	April 21, 2009	Leonard Dauphinee
U.S. Patent No. 7,528,888	US	May 5, 2009	Shusuke Narita
U.S. Patent No. 7,548,548	US	June 16, 2009	Shlomo Selim Rakib
U.S. Patent No. 7,583,704	US	September 1, 2009	Carl Walker
U.S. Patent No. 7,684,467	US	March 23, 2010	Junsong Li
U.S. Patent No. 7,751,338	US	July 6, 2010	Yehuda Azenko
U.S. Patent No. 7,788,684	US	August 31, 2010	Rade Petrovic
U.S. Patent No. 7,895,632	US	February 22, 2011	Aran London Sadja
U.S. Patent No. 7,978,735	US	July 12, 2011	Ronen Ezra
U.S. Patent No. 7,991,888	US	August 2, 2011	Nurettin Burcak Beser

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent No. 8,085,802	US	December 27, 2011	Anton Monk
U.S. Patent No. 8,126,044	US	February 28, 2012	Eduardo Cavanagh
U.S. Patent No. 8,352,995	US	January 8, 2013	Aran London Sadja
U.S. Patent No. 8,424,049	US	April 16, 2013	Paul Andrew Skelly
U.S. Patent No. 8,514,982	US	August 20, 2013	Noshir Dubash
U.S. Patent No. 8,582,694	US	November 12, 2013	Scott R. Velazquez
U.S. Patent No. 8,582,675	US	November 12, 2013	Fredric J. Harris
U.S. Patent No. 8,599,312	US	December 3, 2013	Alan Hendrickson
U.S. Patent No. 8,605,224	US	December 10, 2013	David Trager
U.S. Patent No. 8,649,421	US	February 11, 2014	Thomas Renken
U.S. Patent No. 9,655,031	US	May 16, 2017	Toshiyuki Sashihara
U.S. Patent No. 9,686,594	US	June 20, 2017	Ramon Alejandro Gomez
WIPO Publication No. WO 97/32403	WO	September 4, 1997	Paul W. Dent
WIPO Publication No. WO 2001/017175	WO	March 8, 2001	Thomas J. Quigley
U.S. Patent Publication No. 2001/0039600	US	November 08, 2001	John Brooks
U.S. Patent Publication No. 2002/0021465	US	February 21, 2002	Richard Moore
U.S. Patent Publication No. 2002/0049861	US	April 25, 2002	Fred Bunn
U.S. Patent Publication No. 2002/0062486	US	May 23, 2002	Min Park
U.S. Patent Publication No. 2002/0104083	US	August 1, 2002	John Hendricks
U.S. Patent Publication No. 2003/0106067	US	June 5, 2003	Steve Hoskins
U.S. Patent Publication No. 2003/0115610	US	June 19, 2003	Insik Cho

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent Publication No. 2003/0145075	US	July 31, 2003	David Weaver
U.S. Patent Publication No. 2003/0161333	US	August 28, 2003	Mariano Schain
U.S. Patent Publication No. 2003/0163722	US	August 28, 2003	Charles Anderson
U.S. Patent Publication No. 2004/0015997	US	January 22, 2004	Ahmad Ansari
U.S. Patent Publication No. 2004/0085987	US	May 6, 2004	Richard Gross
U.S. Patent Publication No. 2004/0093370	US	May 13, 2004	Ronald Blair
U.S. Patent Publication No. 2004/0160945	US	August 19, 2004	Runlin Dong
U.S. Patent Publication No. 2004/0181811	US	September 16, 2004	Selim Rakib
U.S. Patent Publication No. 2004/0218700	US	November 4, 2004	Weimin Zhang
U.S. Patent Publication No. 2004/0230997	US	November 18, 2004	Tarek Kaylani
U.S. Patent Publication No. 2005/0088980	US	April 28, 2005	Mikko Olkkonen
U.S. Patent Publication No. 2005/0114879	US	May 26, 2005	John Kamieniecki
U.S. Patent Publication No. 2005/0114904	US	May 26, 2005	Anton Monk
U.S. Patent Publication No. 2005/0122996	US	June 9, 2005	Yehuda Azenkot
U.S. Patent Publication No. 2005/0183130	US	August 18, 2005	Aran Sadja
U.S. Patent Publication No. 2005/0243910	US	November 3, 2005	Chul-Hee Lee
U.S. Patent Publication No. 2006/0111103	US	May 25, 2006	Moo Jeong
U.S. Patent Publication No. 2006/0114353	US	June 1, 2006	Shusuke Narita
U.S. Patent Publication No. 2006/0159041	US	July 20, 2006	Zhong Zhun
U.S. Patent Publication No. 2006/0248429	US	November 2, 2006	Sudheer Grandhi
WIPO Pub. No. WO 2006/119489 A2	WO	November 9, 2006	David Lowell Mcneely

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent Publication No. 2006/0268749	US	November 30, 2006	Shahriar Rahman
U.S. Patent Publication No. 2007/0002884	US	January 4, 2007	Mikko Jaakkola
U.S. Patent Publication No. 2007/0047492	US	March 1, 2007	Se-hong Kim
U.S. Patent Publication No. 2007/0052406	US	March 8, 2007	John Payne
U.S. Patent Publication No. 2007/0091212	US	April 26, 2007	Jeong-Ho Lee
U.S. Patent Publication No. 2007/0098089	US	May 3, 2007	Junsong Li
U.S. Patent Publication No. 2007/0124478	US	May 31, 2007	Hisham Abdelhamid
U.S. Patent Publication No. 2007/0223512	US	September 27, 2007	Michael Cooper
U.S. Patent Publication No. 2007/0286143	US	December 13, 2007	Timothy Olson
U.S. Patent Publication No. 2007/0286311	US	December 13, 2007	Paul Coyne
WIPO Publication No. WO 2007/145637 A1	WO	December 21, 2007	Michael Anthony Pugel
U.S. Patent Publication No. 2008/0014870	US	January 17, 2008	Joonsuk Kim
U.S. Patent Publication No. 2008/0022162	US	January 24, 2008	Sigang Qiu
U.S. Patent Publication No. 2008/0066113	US	March 13, 2008	Paul Andrew Skelly
U.S. Patent Publication No. 2008/0101210	US	May 1, 2008	Robert J. Thompson
U.S. Patent Publication No. 2008/0106652	US	May 8, 2008	Timothy M. Magnusen
U.S. Patent Publication No. 2008/0120667	US	May 22, 2008	Etai Zaltsman
U.S. Patent Publication No. 2008/0123755	US	May 29, 2008	Axel Clausen
U.S. Patent Publication No. 2008/0140823	US	June 12, 2008	Robert J. Thompson
U.S. Patent Publication No. 2003/0161333	US	August 28, 2008	Mariano Schain
U.S. Patent Publication No. 2008/0211919	US	September 4, 2008	Steve Kuh

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent Publication No. 2008/0225174	US	September 18, 2008	Lance Greggain
U.S. Patent Publication No. 2008/0250133	US	October 9, 2008	Ronald Lee
U.S. Patent Publication No. 2008/0298333	US	December 4, 2008	Yong Ho Seok
U.S. Patent Publication No. 2009/0011768	US	January 8, 2009	Yong Ho Seok
U.S. Patent Publication No. 2009/0128708	US	May 21, 2009	James Huffman
U.S. Patent Publication No. 2009/0141833	US	June 4, 2009	Yang Su Kim
U.S. Patent Publication No. 2009/0154927	US	June 18, 2009	Vladimir Oksman
U.S. Patent Publication No. 2009/0174822	US	July 9, 2009	Michael Anthony Pugel
U.S. Patent Publication No. 2009/0219856	US	September 3, 2009	Thomas Richardson
U.S. Patent Publication No. 2009/0235316	US	September 17, 2009	Shiquan Wu
U.S. Patent Publication No. 2009/0252112	US	October 8, 2009	Tsuyoshi Shimomura
U.S. Patent Publication No. 2010/0074167	US	March 25, 2010	Mark Dale
U.S. Patent Publication No. 2010/0100919	US	April 22, 2010	Jin-Jen Hsue
U.S. Patent Publication No. 2010/0180315	US	July 15, 2010	Koji Nakamichi
U.S. Patent Publication No. 2010/0226330	US	September 9, 2010	Tanbir Haque
U.S. Patent Publication No. 2010/0239052	US	September 23, 2010	Patrick Ballester
U.S. Patent Publication No. 2010/0257265	US	October 7, 2010	Masashi Hamada
U.S. Patent Publication No. 2010/0254283	US	October 7, 2010	William T. Hanks
U.S. Patent Publication No. 2012/0106452	US	October 28, 2010	Jarkko Kneckt
U.S. Patent Publication No. 2011/0072422	US	March 24, 2011	Helge Brauer
U.S. Patent Publication No. 2011/0103274	US	May 5, 2011	Geir Monsen Vavik

Patent/Publication No.	Country	Issue / Publication Date	First Named Inventor
U.S. Patent Publication No. 2011/0109811	US	May 12, 2011	Ewout Brandsma
U.S. Patent Publication No. 2012/0269242	US	October 25, 2012	Richard Prodan
U.S. Patent Publication No. 2013/0041990	US	February 14, 2013	Brian K. Thibeault
U.S. Patent Publication No. 2013/0091528	US	April 11, 2013	Hiroshi Honda
U.S. Patent Publication No. 2013/0107921	US	May 2, 2013	Richard Prodan
U.S. Patent Publication No. 2013/0114480	US	May 9, 2013	John T. Chapman
U.S. Patent Publication No. 2013/0272353	US	October 17, 2013	David Fox
U.S. Patent Publication No. 2013/0294489	US	November 7, 2013	Brian K. Thibeault

II. NON-PATENT PUBLICATIONS

Title	Date	Page Numbers
Maxim Integrated Products., <i>Application Note 290: ADCs For Simultaneous Sampling</i>	October 1, 2000	All pages
Douglas Mauro et al., <i>Essential SNMP</i> (2001)	July 2001	All pages
Walter Cinciora et al., <i>Modern Cable Television Technology - Video, Voice, and Data Communications</i> (2d. ed. 2003)	2003	All pages
A. D. Sayers, <i>Techniques for Digital Implementation of Multi-mode Radio Receivers</i> (Philips Research Laboratories 2005)	2005	All pages
Walt Kester, <i>Which ADC Architecture Is Right for Your Application?</i> Analog Dialogue 39-06 (Analog Devices, Inc June 2005)	June 2005	All pages

Title	Date	Page Numbers
<i>CableLabs, DOCSIS 3.0 Physical Layer Specification (Doc. Ctrl. No. CM-SP-PHYv3.0-I01-060804)</i>	August 4, 2006	All pages
<i>CableLabs, DOCSIS 3.0 MAC and Upper Layer Protocols Interface Specification (Doc. Ctrl. No. CM-SP-MULPIv3.0-I01-060804)</i>	August 4, 2006	All pages
<i>Mohammad Hajirostam, On-Chip Broadband Tuner Design For Cable Modem and Digital CATV, Doctoral Thesis, Dept. of Electrical and Computer Engineering, University of Toronto</i>	2007	All pages
<i>Peter E. Buxa, Parameterizable Channelized Wideband Digital Receiver for High Update Rate, Master of Science Thesis, Dept. of Electrical Engineering, Wright State University</i>	2007	All pages
<i>Roghoyeh Salmeh, LNA and Mixer Designs for RF Front-Ends, Doctoral Thesis, Dept. of Electrical and Computer Engineering, University of Calgary</i>	June 2007	All pages
<i>CableLabs, DOCSIS 2.0, Radio Frequency Interface Specification (Doc. Ctrl. No. CM-SP-RFIv2.0-I12-071206)</i>	December 6, 2007	All pages
<i>Christopher Bowick, RF Circuit Design (2d ed), excerpt published by EEtimes.com (March 24, 2008)</i>	March 24, 2008	All pages
<i>Fred Harris et al., A coupled multichannel filter bank and sniffer spectrum analyzer, Proc. of the 5th Int'l Conf. on Cognitive Radio Oriented Wireless Networks and Communications (2010)</i>	September 16, 2010	1-5
<i>Cisco Systems, Inc., Cable Modem Upstream RF Adaptation (2011)</i>	June 13, 2011	All pages

Title	Date	Page Numbers
<i>CableLabs, DOCSIS 3.1 Physical Layer Specification (Doc. Ctrl. No. CM-SP-PHYv3.1-I01-131029)</i>	October 29, 2013	All pages
<i>CableLabs, DOCSIS 3.1 MAC and Upper Layer Protocols Interface Specification (Doc. Ctrl. No. CM-SP-MULPIv3.1-I01-131029)</i>	October 29, 2013	All pages

III. PERSONS WITH PRIOR KNOWLEDGE OF AND/OR HAVING PREVIOUSLY USED OR OFFERED FOR SALE

Charter may rely upon the following persons as the prior inventor or as having prior knowledge of or as having previously or offered for sale the alleged invention of the patents-in-suit, or as having prior knowledge of the state of the art.

Name	Address	Date of Testimony
Dr. Kevin Almeroth	May be reached through the Dept. of Computer Science, University of California, Santa Barbara, Santa Barbara, CA 93106-5110	Expected live at the jury trial and also depositions on April 28, 2023 and August 23, 2023
David Barr	May be reached through Michael Katz, Samini Baric Katz LLP, 650 Town Center Dr., Ste. 1500, Costa Mesa, CA 92626	Deposition on July 13, 2023
Timothy Gallagher	13311 NE 173rd St., Apt. A513, Woodinville, WA 98072	Deposition on July 19, 2023
Dr. Steven Goldberg	18480 Chelmsford Drive, Cupertino, California 95014	Expected live at the jury trial and also deposition on August 22, 2023

Yoav Hebron	6215 Radcliffe Dr., San Diego, CA 92122	Deposition on July 19, 2023
Jun Huang	May be reached through his workplace, Amazon.com, Inc., 10300 Campus Point Dr., San Diego, CA 92121	Deposition on July 18, 2023
Gordon Li	12346 Pathos Ln, San Diego, CA 92129	Deposition on July 11, 2023
Curtis Ling	May be reached through Michael Katz, Samini Baric Katz LLP, 650 Town Center Dr., Ste. 1500, Costa Mesa, CA 92626	Deposition on July 12, 2023
Sridhar Ramesh	May be reached through Michael Katz, Samini Baric Katz LLP, 650 Town Center Dr., Ste. 1500, Costa Mesa, CA 92626	Deposition on July 17, 2023
Madhukar Reddy	May be reached through Michael Katz, Samini Baric Katz LLP, 650 Town Center Dr., Ste. 1500, Costa Mesa, CA 92626	Deposition on July 14, 2023
Shurki Souris	May be reached through counsel for Entropic	Expected live at the jury trial and also deposition on August 18, 2023
Richard A. Kramer	May be reached through counsel for Entropic	Expected live at the jury trial and also depositions on May 4, 2023, August 17, 2023, and August 24, 2023
Matthew A. Pooley	May be reached through counsel for Entropic	Expected live at the jury trial and also deposition on August 22, 2023
John Holobinko	May be reached through counsel for Entropic	Expected live at the jury trial and also deposition on August 23, 2023

William Berger	May be reached through counsel for Charter	Expected live at the jury trial and also deposition on June 16, 2023
Matthew Petersen	May be reached through counsel for Charter	Expected live at the jury trial and also deposition on May 31, 2023
Roger Stafford	May be reached through counsel for Charter	Expected live at the jury trial and also deposition on June 27, 2023
Jason Henricks	May be reached through counsel for Charter	Possibly live at the jury trial and also deposition on May 25, 2023
Farrell Moseley	May be reached through counsel for Charter	Possibly live at the jury trial and also deposition on August 8, 2023
Casey Paiz	May be reached through counsel for Charter	Possibly live at the jury trial and also deposition on June 8, 2023
Steve Williams	May be reached through counsel for Charter	Possibly live at the jury trial and also deposition on June 6, 2023
Vinod Dani	May be reached through counsel for Charter	Deposition on May 11, 2023
Sharon Bhukhra	May be reached through counsel for Charter	Deposition on May 23, 2023
Ryan Crews	May be reached through counsel for Charter	Deposition on July 7, 2023

Santosh Pediredla	May be reached through counsel for Charter	Deposition on May 9, 2023
Ray Farhat	May be reached through John V. Picone, III, HOPKINS & CARLEY, L.C., 70 South First Street, San Jose, CA 95113, Email: Jpicone@hopkinscarley.com	Deposition on July 17, 2023
Peter Cangiane	May be reached through John V. Picone, III, HOPKINS & CARLEY, L.C., 70 South First Street, San Jose, CA 95113, Email: Jpicone@hopkinscarley.com	Possibly live at the jury trial and also deposition on July 17, 2023

Dated: November 3, 2023

Respectfully submitted,

/s/ Daniel Reisner by permission Elizabeth Long

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Email: thomas.carr@arnoldporter.com
Email: natalie.steiert@arnoldporter.com

*Attorneys for Defendant
Charter Communications, Inc.*

CERTIFICATE OF SERVICE

The undersigned certifies that the foregoing document and all attachments thereto are being filed electronically in compliance with Local Rule CV-5(a). As such, this document is being served November 3, 2023, on all counsel of record, each of whom is deemed to have consented to electronic service. L.R. CV-5(a)(3)(A).

/s/ Elizabeth Long
Elizabeth Long